

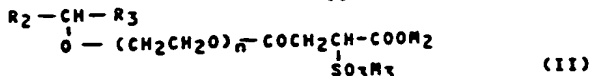
J01146814  
SUNSTAR KK  
Pr. 87JP-306270 du 871202

Detergent compsn. mild to skin and hair and having low-temp. stability -  
contg. higher fatty acid salt and mono-branched alkyl sulfo-succinate

Detergent compsn. contains a higher fatty acid salt of formula  $R_1COOM$  (I) and a mono(branched alkyl)sulphosuccinate of formula (II). In the formulae  $R_1 = 7-17C$  satd. or unsatd. alkyl;  $M_1 =$  alkali metal ion, ammonium ion, or alkanolamine;  $R_2$  and  $R_3 =$  alkyl;  $R_2 + R_3 = 9-15C$ ;  $n = 2-13$ ;  $M_2$  and  $M_3 = H$ , alkali metal ion, ammonium ion, or alkanolamine. The blend ratio is 5-20 wt.% (I) and 1-25 wt.% (II). The detergent is pref. transparent.

Higher fatty acid salts are salts of caprylic, lauric, myristic, palmitic, stearic, and oleic acids. Monoalkyl polyoxyethylene isodecyl sulphosuccinate, polyoxyethylene lauryl sulphosuccinate, or polyoxyethylene isohexadecyl sulphosuccinate.

USE/ADVANTAGE - The compsn. has sufficient detergency and foaming power, is mild to the skin and hair, imparting good wetness. It has good low-temp. transparency. (5pp)



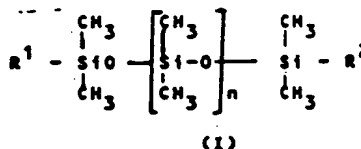
Réf. 89-210005 [29]

J01149707  
SUNSTAR KK  
Pr. 87JP-308339 du 871205

Hair treatment agent - contg. di:methyl-silicone gum and hyaluronic acid

Dimethylsilicone gum of formula (I) and hyaluronic acid or its salt are contained in hair treatment agent.  $R_1$  and  $R_2$  are Me or hydroxyl gp.  $n$  is 4,000-9,000.

USE - Agent provides good texture and easy combing. Prevents drying of hair and protects it from heat and brushing. (5pp)



Réf. 89-211457 [29]

J01149709  
KAO CORP  
Pr. 87JP-307203 du 871204

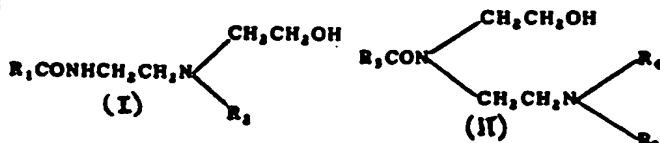
Shampoo composition - comprises surfactant contg. amide-amine amphoteric agent and anionic agent, fatty acid ester and azo or xanthene dye

Shampoo compsn. comprises:

(A) surfactant contg. (a) one or more amideamine amphoteric activating agents of formula (I) or (II) and (b) an anionic activating agent in a wt. ratio (a)/(b) = 1/1-1/3;

(B) 1-5 wt.% of one or more of fatty acid esters of formula (III); and

(C) azo or xanthene type water soluble dye.



$R_1, R_2 =$  opt. unsatd. 7-19C hydrocarbyl;  
 $R_3, R_4 = -\text{CH}_2\text{COOM}$  or  $-\text{CH}_2\text{CH}_2\text{COOM}$   
 $R_5 = H, -\text{CH}_2\text{COOM}$  or  $-\text{CH}_2\text{CH}_2\text{COOM}$   
 $M = H$ , alkali metal or alkanolamine



$R_6, R_7 = H$  or satd. hydrocarbyl,  
 $n = 2-4$ .

#### ADVANTAGE

The compsn. is light stable and can be stored for long periods in a transparent container. Beautiful appearance is kept for a long time. (6pp)

Réf. 89-211459 [29]